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Certifié conforme à l'original
le 11 SEP. 2001
Le bureau de gestion de l'ASEFA
G.GOSSE

LOVAG

Certificate

of Conformity

LOVAG-Certificate No. FR 01-024

Apparatus Free air three-pole contactor

Designation BC 16-30-10

Manufacturer or responsible vendor
ABB CONTROL
10, rue Ampère - ZI - BP 114
69685 CHASSIEU - FRANCE

Tested for: ABB CONTROL

Tested by: platform G11

The apparatus, constructed in accordance with the description mentioned in the Test Report listed on this Certificate has been subjected to the series of proving tests in accordance with **IEC 60947-4-1(1990-05) corrigendum (1991-12) amendment 1 (1994-11) and amendment 2 (1996-08) - EN 60947-4-1 (1992-01) amendment 1 (1995-01) and amendment 2 (1997-06) - NFEN 60947-4-1(1993-02) amendment 1 (1995-04) and amendment 2 (1997-12) Test sequences I and IV.**
The results are shown in the Test Report in accordance to LOVAG. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristic assigned by the manufacturer as stated below.

Main circuit 3-pole Ui = 690 V Uimp = 6 kV Ith / Ithe = 28 A / 25 A

Tension d'emploi : Ue(V)	≤ 240	> 240 ≤ 415	> 415 ≤ 440	> 440 ≤ 500	> 500 ≤ 690
Courant d'emploi : Ie (A) AC-1	28	28	28	28	28
Ie (A) AC-3	16	16	[illegible]	[illegible]	8
Ie (A) AC-4	16	16	16	13	8

This document includes Report No.: G11 - 2001167
Issue Date: 2001.07.06

Responsible Certification Body

I. HELLER
Authorized Signature
Date: 11 SEP. 2001

This Certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designation with that tested rests with the manufacturer or responsible vendor.

This certificate has been prepared according to LOVAG (Low Voltage Agreement Group) Objectives and Operating Principles of mutual recognition. The responsible certification body as member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Test Instructions wherever applicable.

Only integral reproduction of this Certificate or reproductions of this page accompanied by any page(s) on which are stated the tests performed and the assigned rated characteristics of the apparatus tested, are permitted without written permission from the LOVAG Signatory responsible for this Certificate.

ASEFA - [illegible]enue du Général Leclerc - 92260 Fontenay-aux-Roses France
[illegible]one : 33 (1) 40.95.60.60 - Fax : 33 (1) 40.95.60.03

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Certifié conforme à l'original
le 28 SEP. 2001
Le bureau de gestion de l'ASEFA
G.GOSSE

LOVAG

Certificate
of Conformity

LOVAG-Certificate No. FR 01-025

Apparatus : three-pole contactor

This Certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designation with that tested rests with the manufacturer or responsible vendor.

This certificate has been prepared according to LOVAG (Low Voltage Agreement Group) Objectives and Operating Principles of mutual recognition. The responsible certification body as member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Test Instructions wherever applicable.

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Designation : BC 16-30-10

Manufacturer or responsible vendor
ABB CONTROL
10, rue Ampère - ZI - BP 114
69685 CHASSIEU - FRANCE

Tested for: ABB CONTROL

Tested by: ASEFA platform G03

The apparatus, constructed in accordance with the description mentioned in the Test Report listed on this Certificate has been subjected to the series of proving tests in accordance with IEC 60947-4-1(1990-05) corrigendum (1991-12) amendment 1 (1994-11) and amendment 2 (1996-08) - EN 60947-4-1 (1992-01) amendment 1 (1995-01) and amendment 2 (1997) - Test sequences II and III.

The results are shown in the Test Report in accordance to LOVAG. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristic assigned by the manufacturer as stated below.

Main circuit 3-pole Ui = 690 V - 50 Hz Ith = 25 A
Sequence II

Operational voltage : Ue(V)	≤ 440	> 440 & ≤ 500	> 500 & ≤ 690
Operational current : Ie (A) AC-3	16	13	8
Ie (A) AC-4	16	13	8

Sequence III (AC1)
Ue = 500 V Ie = 28 A "r" = 3 kA Iq = 25 kA
SCPD : fuses FERRAZ SHAWMUT 32 AgG ref. W 216656
Co-ordination type 1
Electrical control circuit : Us = 220 V Ui = 690V
Auxiliary circuits : Iemax = 6 A 50Hz Ui = 690 V

This document includes Report No.: G03 - 01179
Issue Date: 2001.08.14

Responsible Certification Body

I. HELLER
Authorized Signature
Date: 28 SEP. 2001

A... - 3... nue du Général Leclerc - 92260 Fontenay-aux-Roses France
Te... ne : 33 (1) 40.95.60.50 - Fax : 33 (1) 40.95.60.03